

INVA8001

Chemical Properties

CAS No. :	1312993-34-2
Formula:	C ₂₉ H ₃₈ ClN ₅ O ₈
Molecular Weight:	620.1
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	INVA8001 is a highly selective and orally active chymase inhibitor, with IC ₅₀ values of 0.02 μM for human chymase and 0.03 μM for mouse mast cell protease 4 (mMCP-4). It exhibits IC ₅₀ values of 3.4 μM for bovine α-chymotrypsin and 32.1 μM for human cathepsin G, demonstrating over 1000-fold selectivity against other related serine proteases. In a mouse model of primary sclerosing cholangitis (PSC), INVA8001 inhibits mast cell activity, improves biliary pathology, alleviates cholestasis, and displays anti-inflammatory and anti-fibrotic properties.
Targets(IC ₅₀)	Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6126 mL	8.0632 mL	16.1264 mL
5 mM	0.3225 mL	1.6126 mL	3.2253 mL
10 mM	0.1613 mL	0.8063 mL	1.6126 mL
50 mM	0.0323 mL	0.1613 mL	0.3225 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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